

FIG. 1B

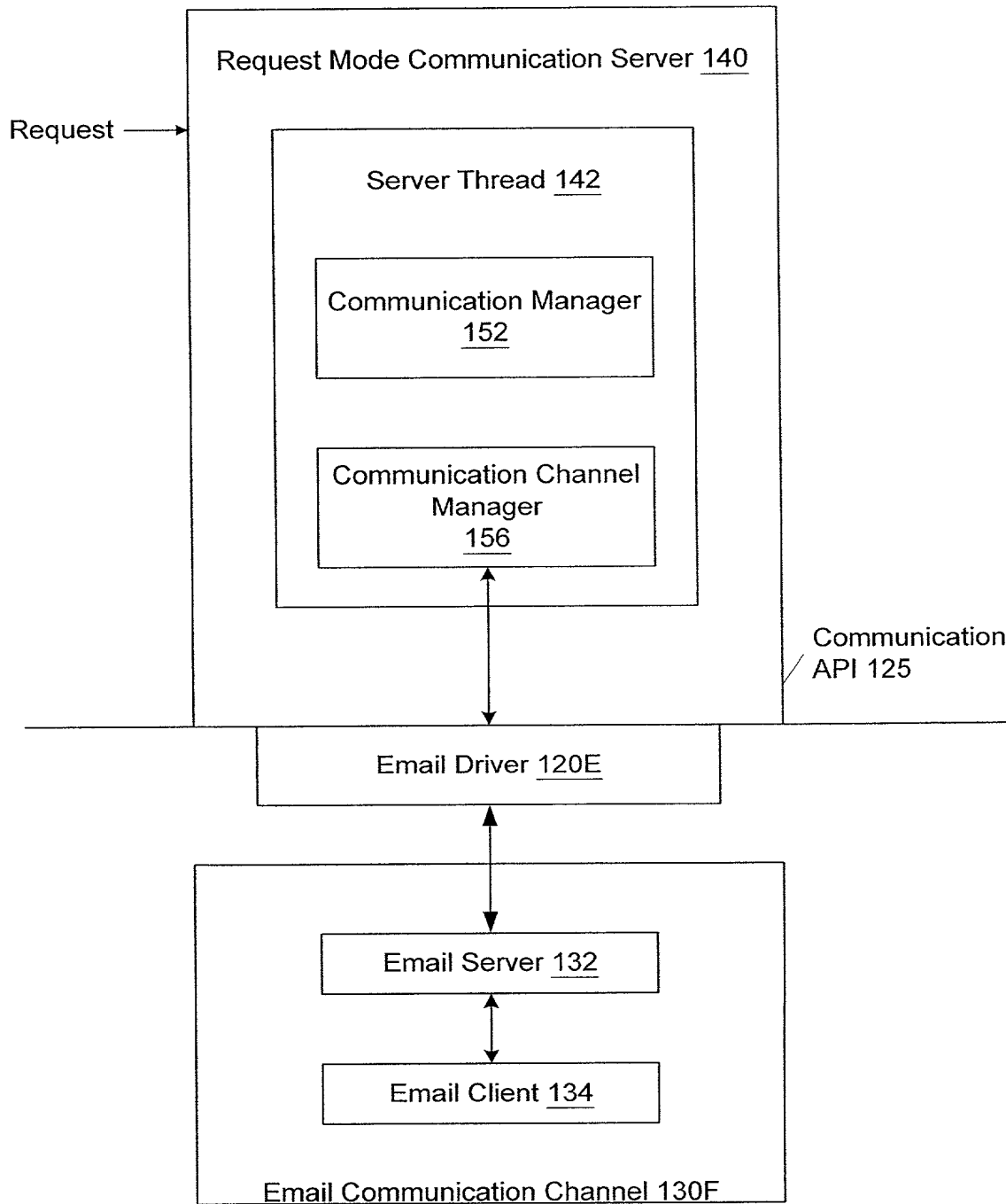
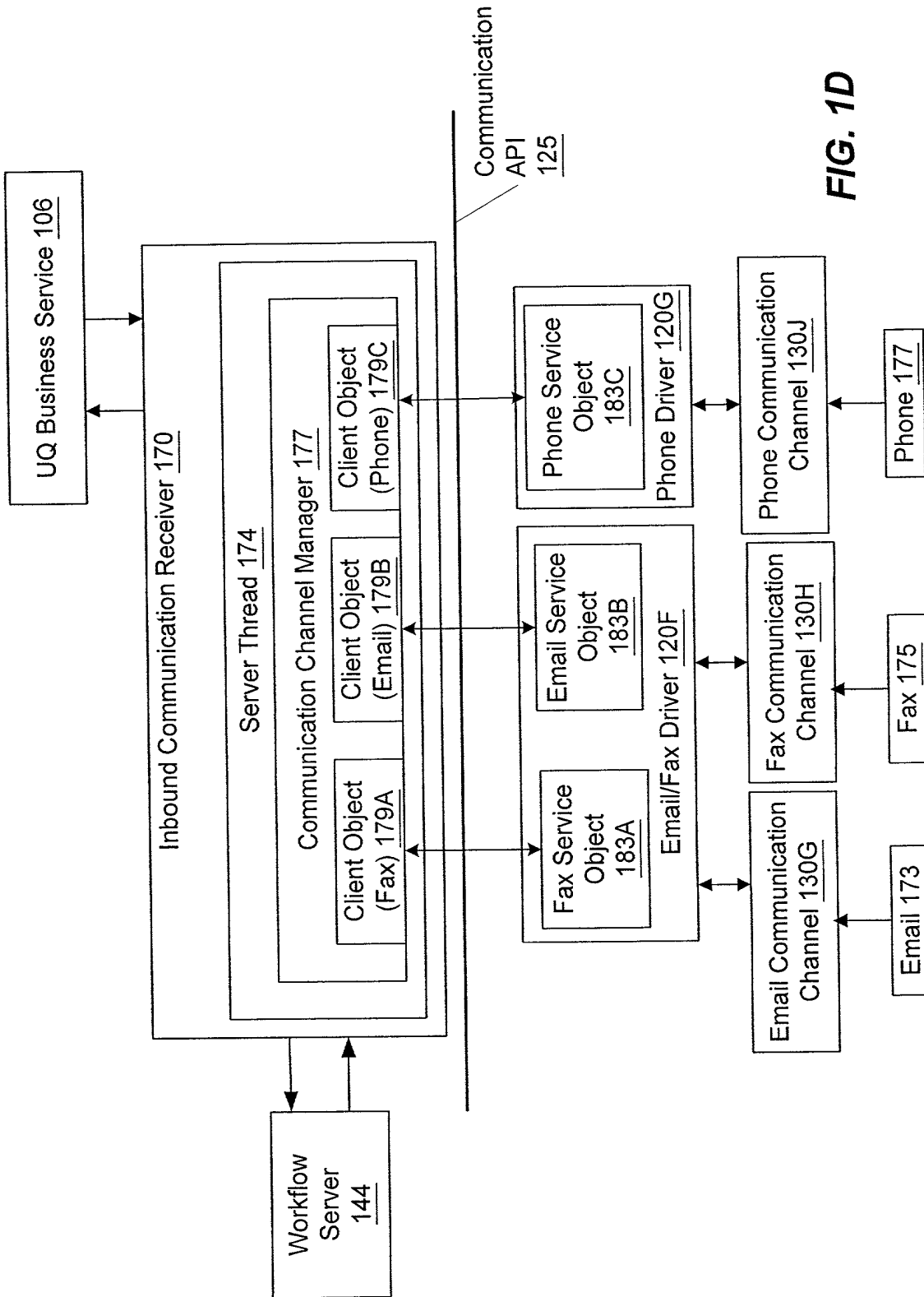
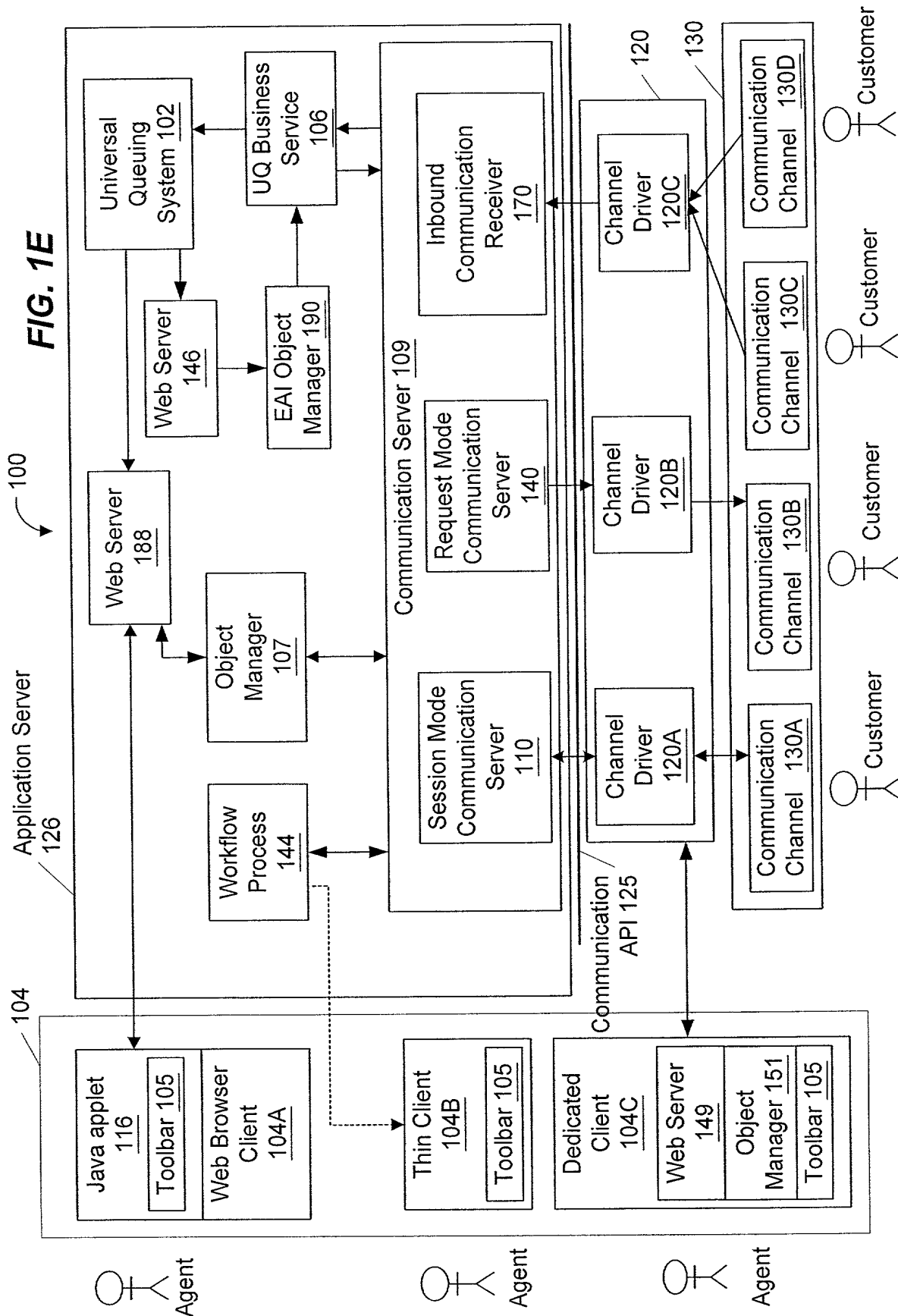


FIG. 1C





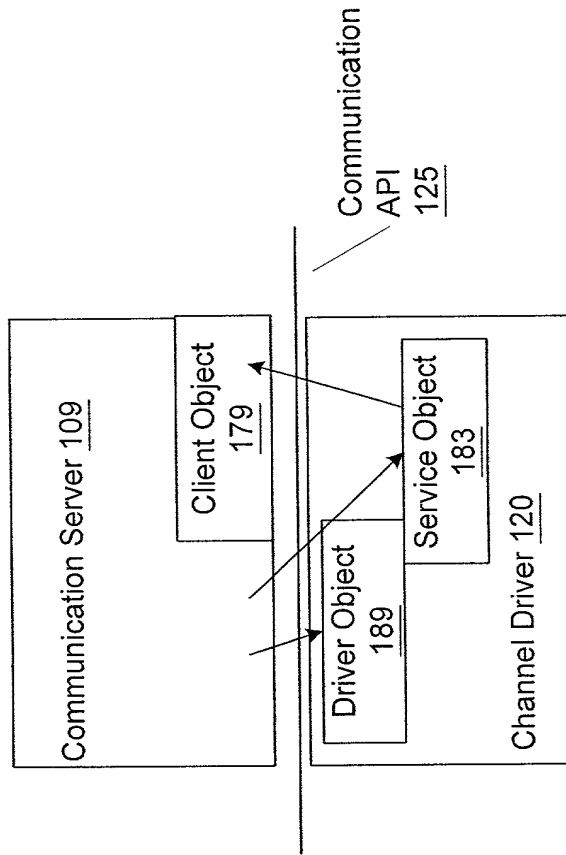


FIG. 1F

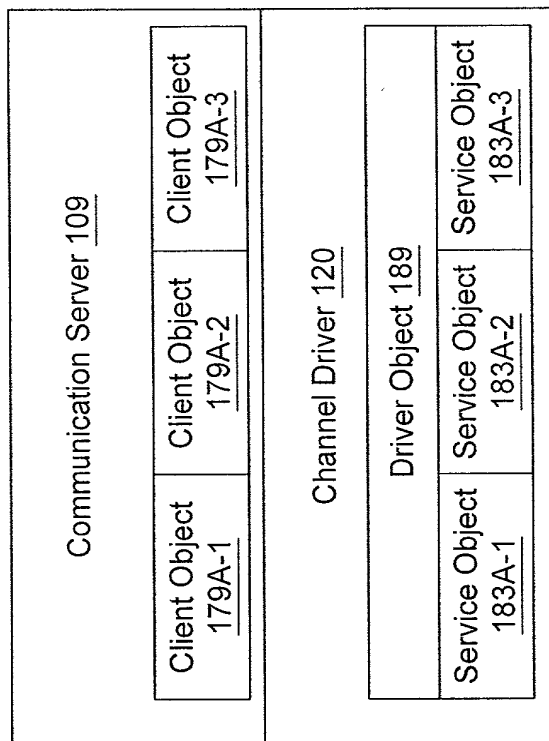


FIG. 1G

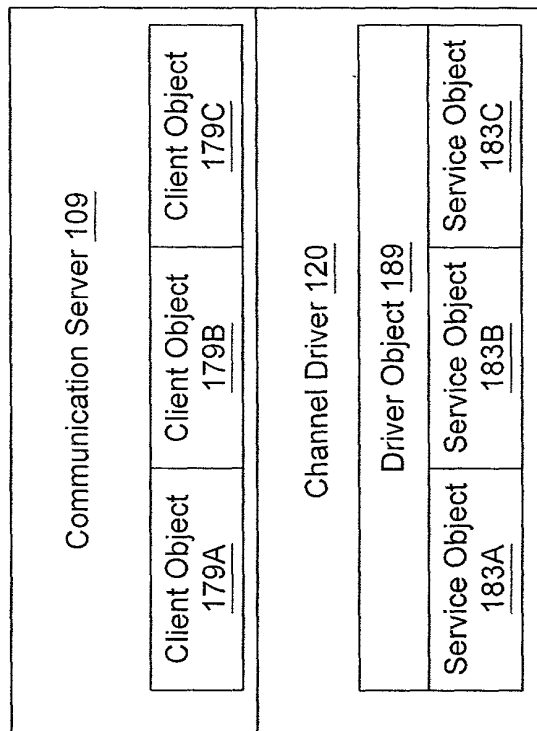


FIG. 1H

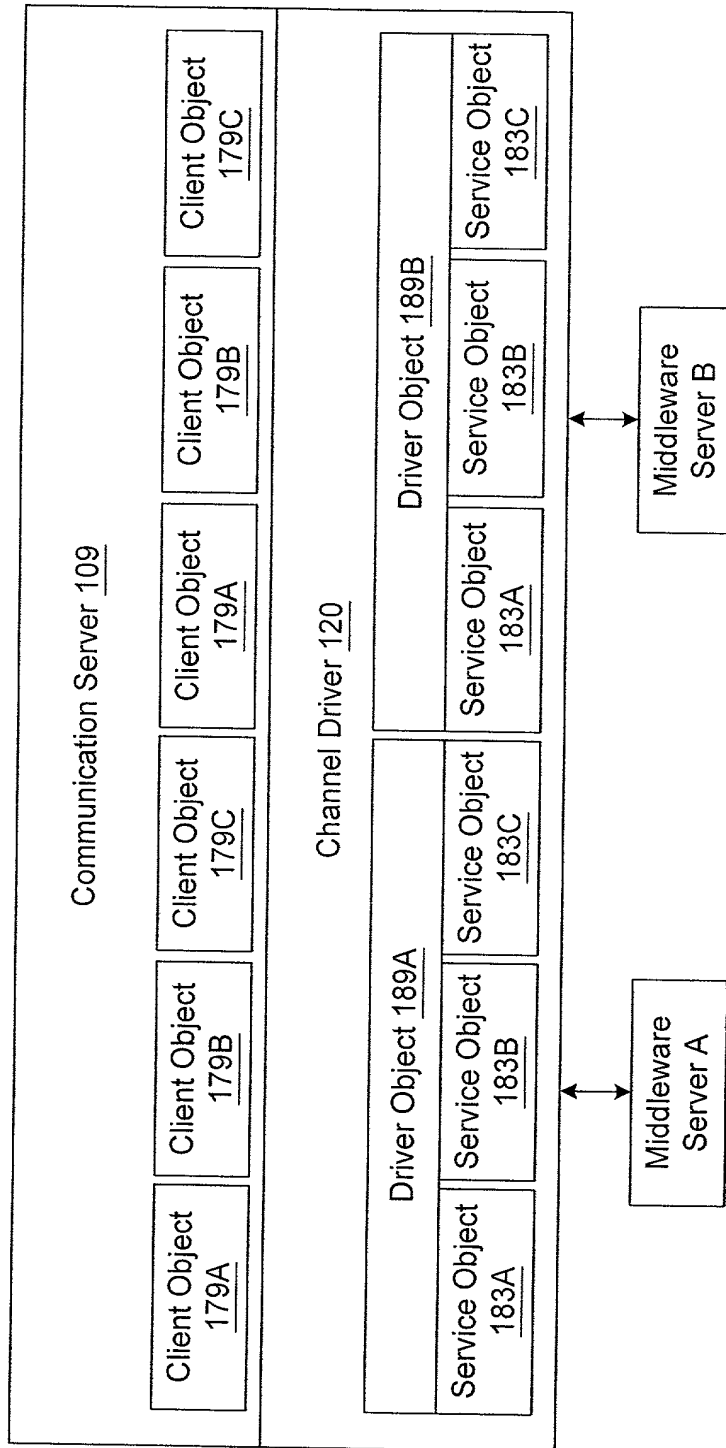


FIG. 11

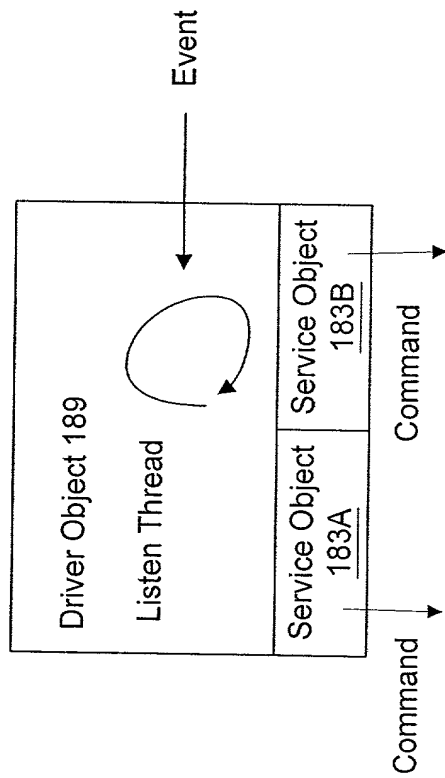


FIG. 1J

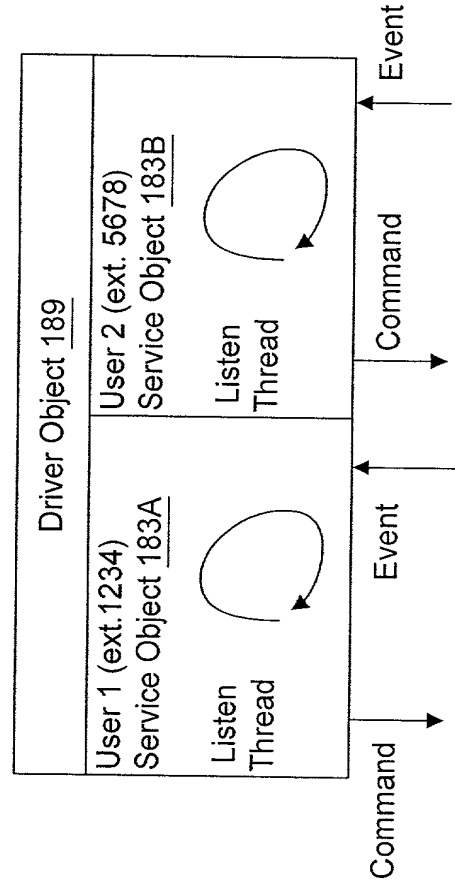


FIG. 1K

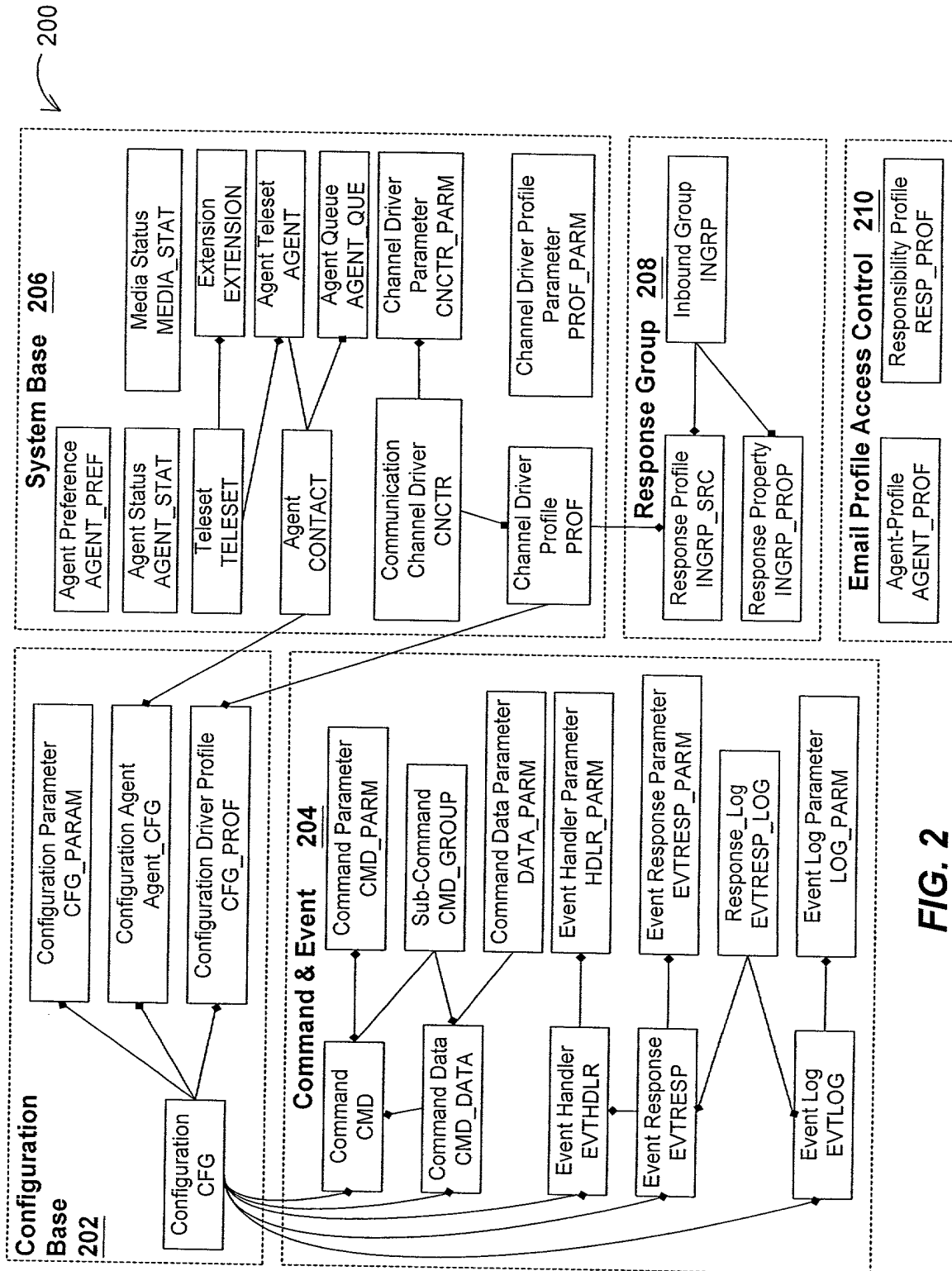


FIG. 2a: CNCTR, Communication Channel Driver Table

Column Name	Type	Length	Comments
CNCTR_ID	Varchar	15	Identifier for channel driver channel driver CNCTR. CNCTR refers to software <i>connector</i> .
NAME	Varchar	75	Name of channel driver.
MEDIA_TYPE	Varchar	50	Media type. The value of this column can be expanded by customer.
LIB_NAME	Varchar	250	File name of channel driver DLL
INBOUND_FLG	Char	1	To indicate whether this channel driver supports inbound communications
OUTBOUND_FLG	Char	1	To indicate whether this channel driver supports outbound communications
CNCTR_MEDIA_STR	Varchar	100	The media string defined by the driver vendor, which will be used at run time to invoke the media service for the channel driver.
DESC_TEXT	Varchar	250	Comments
UQ_DRIVER_FLAG	Char	1	To indicate whether this channel driver is Universal Queuing type of channel driver

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FIG. 2b: CNCTR_PARM, Channel Driver Parameter Table

Column Name	Type	Length	Comments
CNCTR_PARM_ID	Varchar	15	Identifier for channel driver parameter
NAME	Varchar	75	Name of channel driver parameter
DFLT_VALUE	Varchar	250	Default value of channel driver parameter
CNCTR_ID	Varchar	15	
REQUIRED_FLG	Char	1	To indicate whether this parameter must have a value at runtime

FIG. 2c: PROF, Communication Channel Driver Profile Table

Column Name	Type	Length	Comments
PROF_ID	Varchar	15	Identifier for channel driver profile
NAME	Varchar	75	Name of channel driver profile
CNCTR_ID	Varchar	15	

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FIRST INVENTOR: MINGTSE CHEN
TITLE: USER INTERFACE FOR MULTI-CHANNEL COMMUNICATION

FIG. 2d: PROF_PARM, Communication Channel Driver Profile Parameter Table

Column Name	Type	Length	Comments
PROF_PARM_ID	Varchar	15	Identifier for channel driver profile parameter
PROF_ID	Varchar	15	Channel Driver Profile ID
CNCTR_PARM_ID	Varchar	15	Parameter name ID
VALUE	Varchar	250	Override value of channel driver profile parameter.

FIG. 2e: AGENT_PREF, Agent Preference Table

Column Name	Type	Length	Comments
AGENT_PREF_ID	Varchar	15	Identifier for agent preference
EMP_ID	Varchar	15	
SETTING_NAME	Varchar	75	Preference name
SETTING_VALUE	Varchar	250	Preference value
SETTING_TYPE	Varchar	50	Preference type, e.g., "CTI" or "Communication"

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FIG. 2f: AGENT_STAT, Agent Status Table.

Column Name	Type	Length	Comments
AGENT_STAT_ID	Varchar	15	Identifier for agent status
EMP_ID	Varchar	15	Employee ID
PROF_ID	Varchar	15	The channel driver profile ID. Agent has different status for different types of channel driver profiles.
NOT_READY_FLG	Char	1	Is agent not ready?
BUSY_FLG	Char	1	Is agent busy?

FIG. 2g: MEDIA_STAT, Communication Media Status Table.

Column Name	Type	Length	Comments
MEDIA_STAT_ID	Varchar	15	Identifier for media status
EMP_ID	Varchar	15	Employee ID
PROF_ID	Varchar	15	The channel driver profile ID of the channel driver profile to which the status corresponds.
MEDIA_OBJECT_STR	Varchar	250	The string to represent the media object (e.g. the agent's extension number, or the sender's address of an email)
WORKING_SINCE_DT	Date Time	7	Work item starting time
WORK_ITEM_STR	Varchar	250	Work item ID

FIG. 2h: TELESET, Teleset Table.

Column Name	Type	Length	Comments
TELESET_ID	Varchar	15	Identifier for teleset
NAME	Varchar	30	Teleset Name
HOSTNAME	Varchar	70	Hostname of the computer connected to the Teleset.
COMMENTS	Varchar	250	

FIG. 2i: EXTENSION, Extension Table.

Column Name	Type	Length	Comments
EXTENSION_ID	Varchar	15	Identifier for extension
TELESET_ID	Varchar	15	Teleset ID
DN_EXT	Varchar	15	Extension Information
EXT_ACD_QUE	Varchar	30	This is the ACD queue to which this extension belongs.
EXT_TYPE	Varchar	30	ACD Extension or standard extension
AUTO_LOGIN_FLAG	Char	1	Indicate if we need to login to ACD for this extension at startup.

Column Name	Type	Length	Comments
AGENT_ID	Varchar	15	Identifier for agent
PR_CFG_ID	Varchar	15	The primary configuration the agent uses.
EMP_ID	Varchar	15	Employee ID
ACTIVE_CFG_ID	Varchar	15	The currently active configuration.
ACTIVE_TELESET_ID	Varchar	15	The Teleset that the agent is currently using.

Column Name	Type	Length	Comments
AGENT_TELESET_ID	Varchar	15	Identifier for agent/teleset relationship
AGENT_ID	Varchar	15	Agent ID
TELESET_ID	Varchar	15	Teleset ID

FIG. 2p: AGENT_CFG, Communication Agent - Configuration Table

Column Name	Type	Length	Comments
AGENT_CFG_ID	Varchar	15	Identifier for agent/configuration relationship
AGENT_ID	Varchar	15	Agent ID
CFG_ID	Varchar	15	Configuration ID

FIG. 2q: CFG_PARM, Communication Configuration Parameter Table.

Column Name	Type	Length	Comments
CFG_PARM_ID	Varchar	15	Identifier for configuration parameterand
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	50	Parameter Name
VALUE	Varchar	50	Parameter Value
ACTIVE_FLG	Char	1	Active flag is set if the value is valid

FIG. 2r: CMD, Communication Command Table

Column Name	Type	Length	Comments
CMD_ID	Varchar	15	Identifier for command
CFG_ID	Varchar	15	Configuration ID
NAME	Varchar	70	Command name
TYPE	Varchar	50	Command type
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile that this command is targeting.

FIG. 2s: CMD_PARM, Communication Command Parameter Table

Column Name	Type	Length	Comments
CMD_PARAM_ID	Varchar	15	Identifier for command parameter
CMD_ID	Varchar	15	Command ID
PARAM_NAME	Varchar	100	Command parameter name
PARAM_VALUE	Varchar	100	Command parameter value

FIG. 2v: CMD_GROUP, Communication Command Group Table

FIG. 2v: CMD_GROUP, Communication Command Group Table

Column Name	Type	Length	Comments
CMD_GROUP_ID	Varchar	15	Identifier for group of commands
SUB_CMD_ID	Varchar	15	Foreign key to command table
ORDER	Number	10	Default "0"

FIG. 2w: EVTHDLR, Communication Event Handler Table

Column Name	Type	Length	Comments
EVTHDLR_ID	Varchar	15	Identifier for event handler
PROF_ID	Varchar	15	The channel driver profile ID for the channel driver profile from which this event originated.
NAME	Varchar	100	Event name
MEDIA_EVENT	Varchar	100	Identifier for event
ORDER	Number	10	Default "0"
EVT_RESP_ID	Varchar	15	Foreign key to event response table
Comment	Varchar	200	Comment (optional)

FIG. 2x: HDLR_PARM, Communication Event Handler Parameter Table

Column Name	Type	Length	Comments
HDLR_PARM_ID	Varchar	15	Identifier for event handler response
EVT_HDLR_ID	Varchar	15	Identifier for event handler
PARAM_NAME	Varchar	100	Event parameter name
PARAM_VALUE	Varchar	200	Event parameter value

FIG. 2aa: EVTLOG, Communication Event Log Table

Column Name	Type	Length	Comments
EVTLOG_ID	Varchar	15	Identifier for event log
CFG_ID	Varchar	15	Foreign key for configuration table
NAME	Varchar	100	Event parameter name
COMMENT	Varchar	200	Comment (optional)

FIG. 2bb: LOG_PARM, Communication Event Log Parameter Table

Column Name	Type	Length	Comments
LOG_PARM_ID	Varchar	15	Identifier for event log parameter
EVTLOG_ID	Varchar	15	Identifier for event log
PARAM_NAME	Varchar	100	Event log parameter name
PARAM_VALUE	Varchar	200	Event log parameter value

FIG. 2cc: EVTRESP_LOG Event Response – Event Log Table

Column Name	Type	Length	Comments
RESP_LOG_ID	Varchar	15	Identifier for response log
EVTRESP_ID	Varchar	15	Identifier for event response
EVTLOG_ID	Varchar	15	Identifier for event log
LOG_TYPE	Varchar	100	Type of EventLog declaration specified in EventResponse definition.



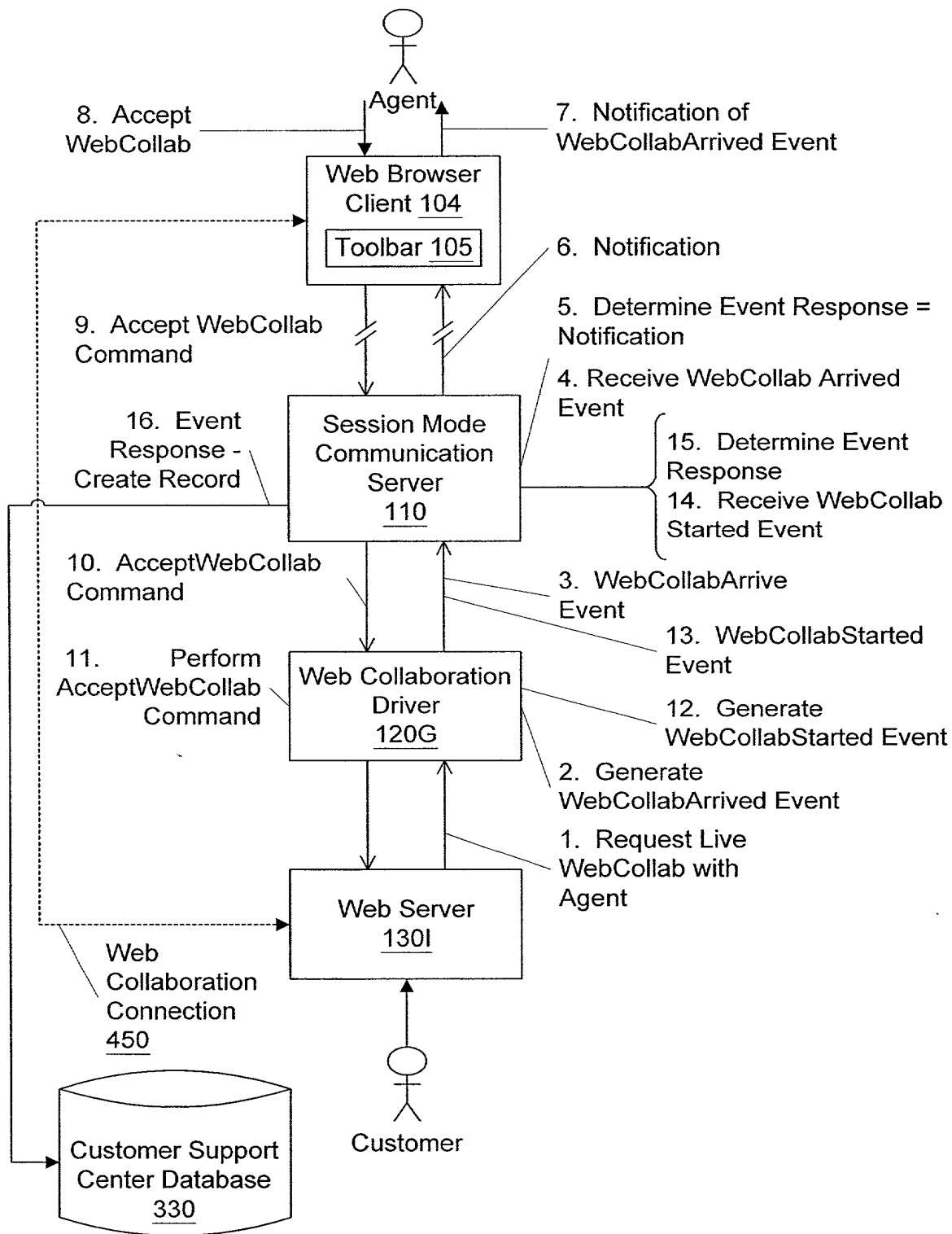


FIG. 4

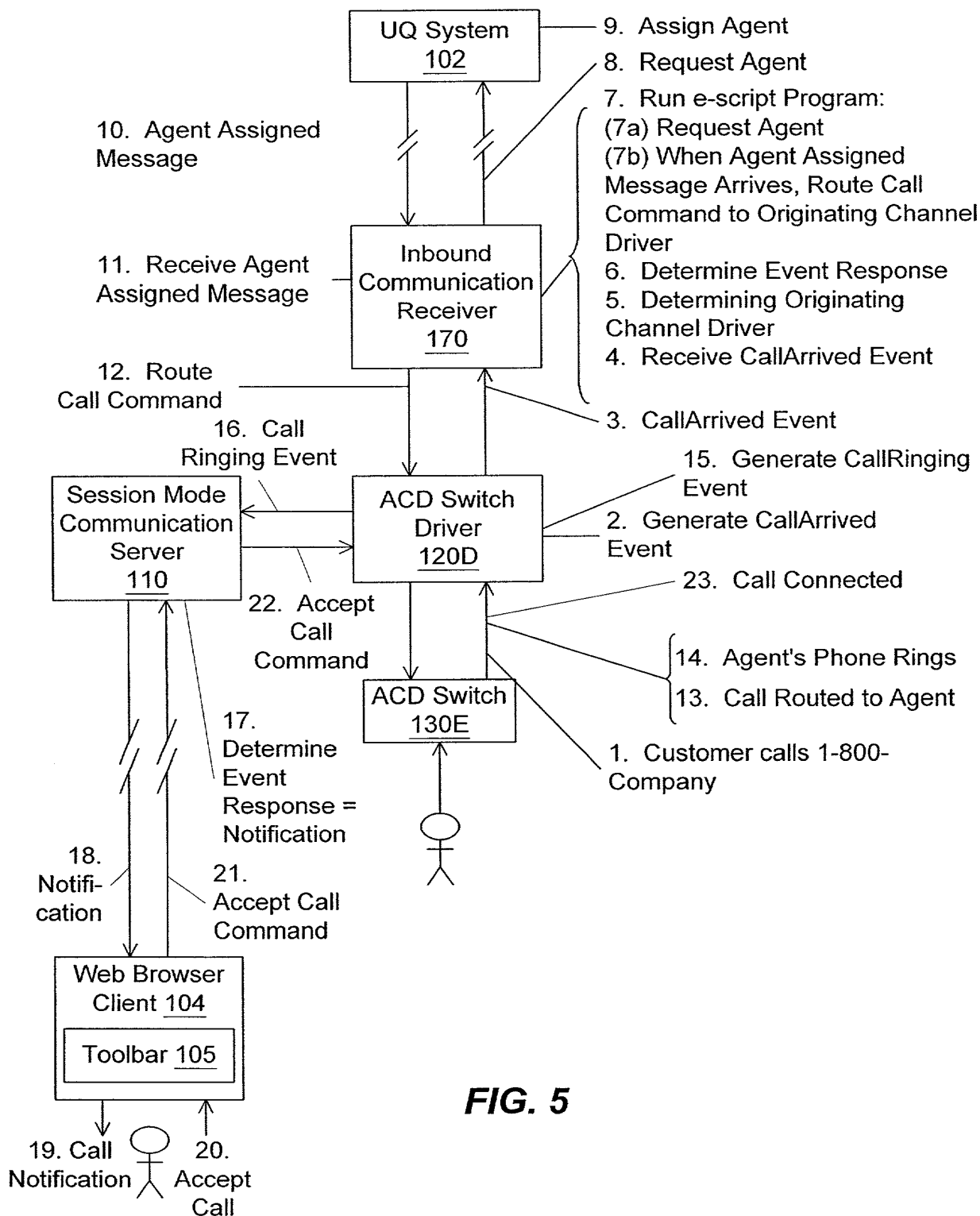


FIG. 5



FIG. 6